

## 2003 ACCORD - Interlock System - Shift Lock System Circuit Troubleshooting

1. Connect the HDS to the DLC.
2. Choose Shift Lock Solenoid Test in Miscellaneous Test Menu, and check that the shift lock solenoid operates with the HDS.

*Does the shift lock solenoid work properly?*

**YES** - Go to step 14.

**NO** - Go to step 3.

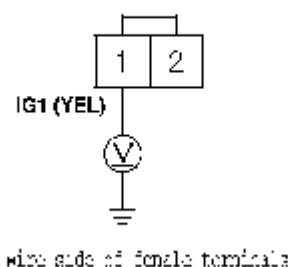
3. Remove the center console.
4. Disconnect the shift lock solenoid connector.
5. Turn the ignition switch ON (II).
6. Measure voltage between shift lock solenoid connector terminal No. 1 and body ground.

*Is there battery voltage?*

**YES** - Go to step 7.

**NO** - Check for a blown No. 21 (7.5 A) fuse in the under-dash fuse/relay box. If the fuse is OK, repair open or short in the wire between the shift lock solenoid connector and the under-dash fuse/relay box.■

### SHIFT LOCK SOLENOID CONNECTOR



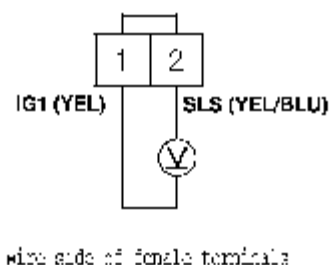
7. Shift the shift lever into the P position, and press the brake pedal. Do not press the accelerator.
8. Measure voltage between shift lock solenoid connector terminals No. 1 and No. 2 while pressing the brake pedal.

*Is there battery voltage?*

**YES** - go to step 9.

**NO** - go to step 10.

### SHIFT LOCK SOLENOID CONNECTOR



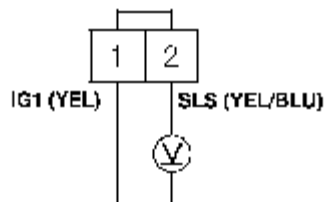
9. Release the brake pedal, and measure voltage between connector terminals No. 1 and No. 2. The shift lever must be in the P position.

Is there battery voltage?

**YES** - Repair short to body ground in the wire between PCM connector terminal E2 and the shift lock solenoid.■

**NO** - Check the shift lock mechanism. If the mechanism is OK, replace the shift lock solenoid.■

#### SHIFT LOCK SOLENOID CONNECTOR



Wire side of female terminals

10. Turn the ignition switch OFF.
11. Jump the SCS line with the HDS.
12. Disconnect PCM connector E (31P).
13. Check for continuity between PCM connector terminal E2 and shift lock solenoid connector terminal No. 2.

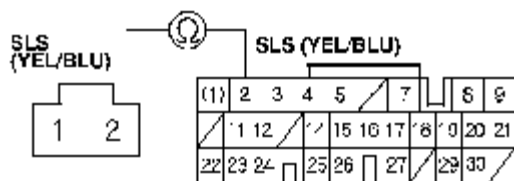
Is there continuity?

**YES** - Substitute a known-good PCM and recheck.■

**NO** - Repair open in the wire between PCM connector terminal E2 and the shift lock solenoid.■

#### SHIFT LOCK SOLENOID CONNECTOR

#### PCM CONNECTOR E (31P)



Wire side of female terminals

14. Press the brake pedal.

Are the brake lights ON?

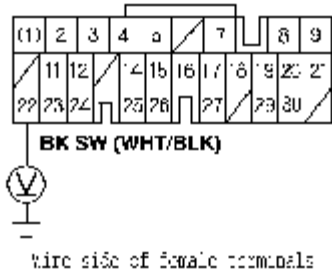
**YES** - Go to step 15.

**NO** - Repair faulty brake light circuit.■

15. Turn the ignition switch OFF.
16. Jump the SCS line with the HDS.
17. Disconnect PCM connector E (31P).
18. Measure voltage between PCM connector terminal E22 and body ground while pressing the brake pedal and when the brake pedal is released.

Is there battery voltage while the brake pedal is pressing, and no voltage when the pedal is released?

### PCM CONNECTOR E (31P)



19. Check for continuity between PCM connector terminal E22 and brake pedal position switch 4P connector terminal No. 2.

*Is there continuity?*

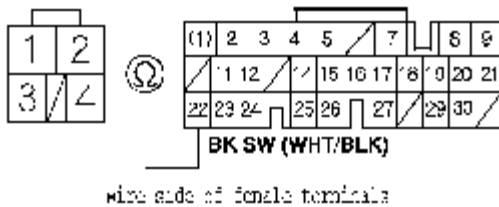
**YES** - Substitute a known-good PCM and recheck.■

**NO** - Repair open in the wire between PCM connector terminal E22 and the brake pedal position switch.■

### BRAKE PEDAL POSITION SWITCH 4P CONNECTOR

### PCM CONNECTOR E (31P)

### BK SW (WHT/BLK)



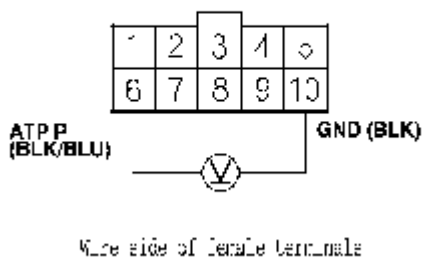
20. Connect PCM connector E (31P).
21. Disconnect the transmission range switch connector.
22. Turn the ignition switch ON (II).
23. Measure voltage between transmission range switch connector terminals No. 6 and No. 10.

*Is there battery voltage?*

**YES** - Go to step 29.

**NO** - Go to step 24.

### TRANSMISSION RANGE SWITCH CONNECTOR



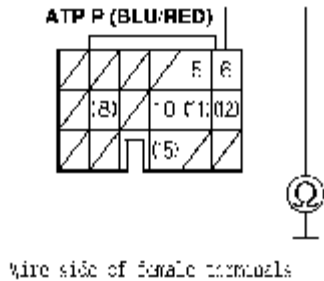
24. Turn the ignition switch OFF.
25. Disconnect PCM connector D (17P).
26. Check for continuity between PCM connector terminal D6 and body ground.

Is there continuity?

**YES** - Repair short to body ground in the wire between PCM connector terminal D6 and the transmission range switch.■

**NO** - Go to step 27.

**PCM CONNECTOR D (17P)**

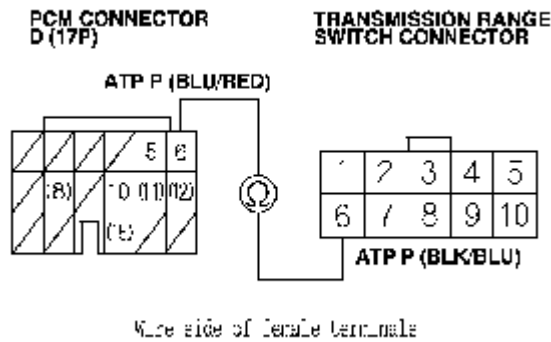


27. Check for continuity between PCM connector terminal D6 and transmission range switch connector terminal No. 6.

Is there continuity?

**YES** - Go to step 28.

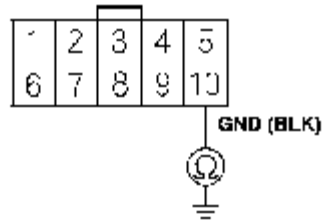
**NO** - Repair open in the wire between PCM connector terminal D6 and the transmission range switch.■



28. Check for continuity between transmission range switch connector terminal No. 10 and body ground.

Is there continuity?

# **TRANSMISSION RANGE SWITCH CONNECTOR**



Wire side of female terminals

29. Test the transmission range switch.

*Is the switch OK?*

**YES** -

- '03-05 models: Go to step 30.
- '06-07 models: Go to step 32.

**NO** - Replace the transmission range switch.■

30. Connect the HDS to the DLC.
31. Check the throttle position sensor in the DATA LIST with the HDS. Do not press the accelerator.

*Is the throttle position sensor opening 11 % and above, or the sensor voltage 0.90 V and above?*

**YES** - Go to step 35.

**NO** - Substitute a known-good PCM and recheck.■

32. Connect the HDS to the DLC.
33. Start the engine.
34. Check the engine speed and accelerator pedal position in the DATA LIST with the HDS. Do not press the accelerator.

*Is the engine speed at a normal idle, APSA about 0.5 V, and APSB about 0.2 V?*

**YES** - Go to step 35.

**NO** - Substitute a known-good PCM and recheck.■

35. Check the throttle cable adjustment.

- '03-05 models.
- '06-07 models.

*Is the throttle cable adjusted properly?*

**YES** - Check the throttle body.■

- '03-05 models.
- '06-07 models.

**NO** - Adjust the throttle cable.■

- '03-05 models.
- '06-07 models.